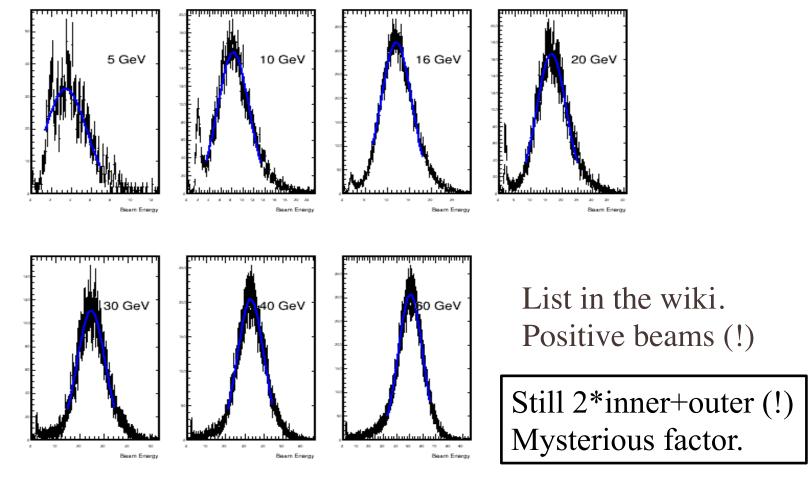
HCAL testbeam data checks

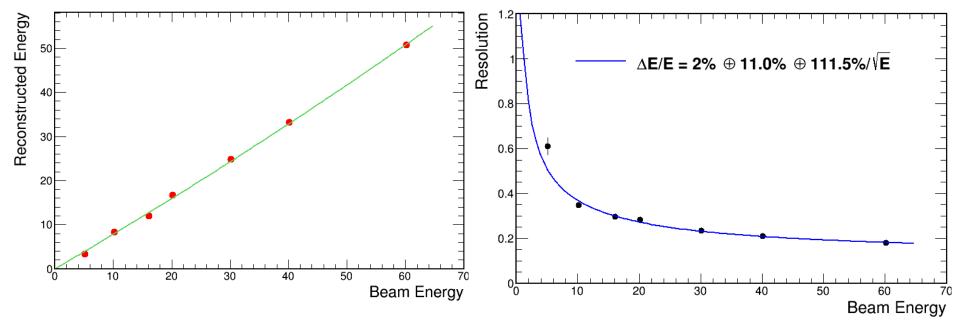
HCAL standalone runs

* Edward collected some HCAL standalone runs



Calibrations are not optimized yet. A first look.

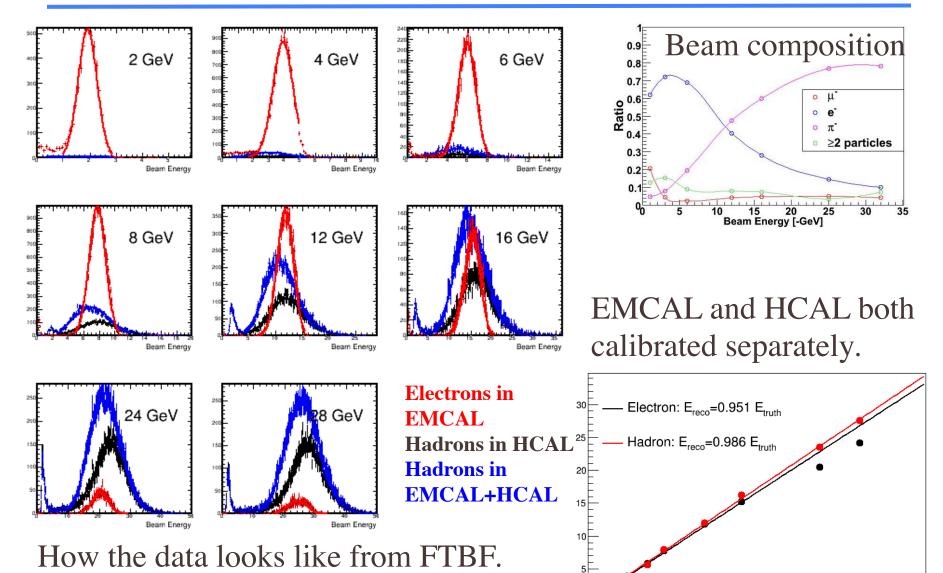
Linearity and resolution



- ➤ Linearity looks good till 60 GeV, no saturation observed.
- ➤ Resolution > 100% (!)
- ➤ Need HCAL dedicated run for few days, specially at low energies.

Full e/pi checks from Prototype2

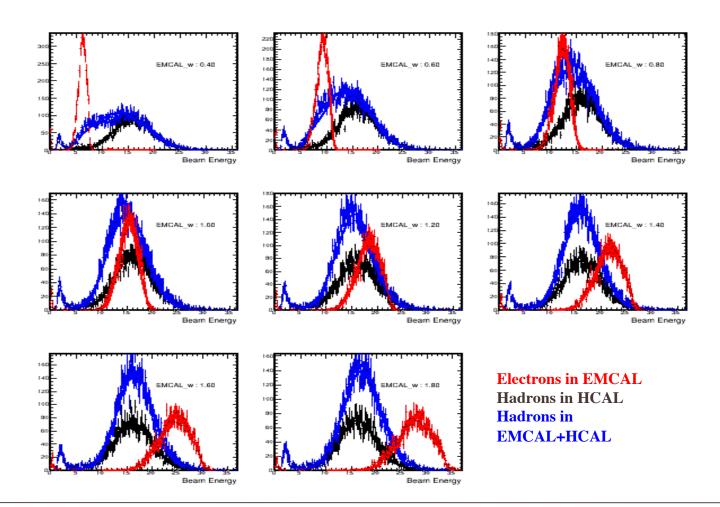
Hadrons & Electrons



Beam Energy

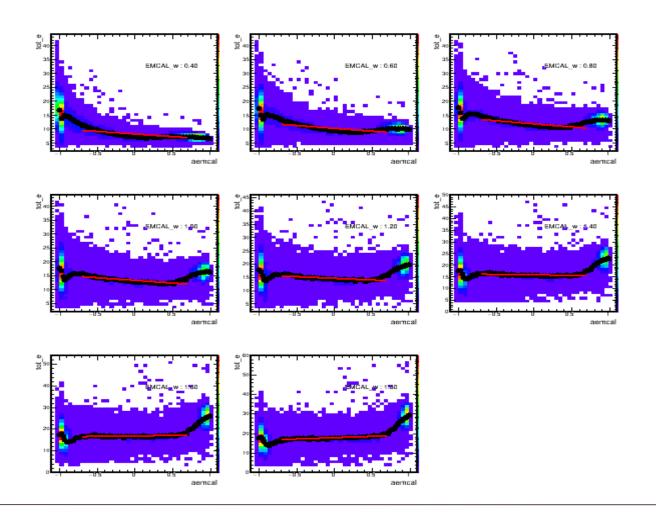
Vary EMCAL weights 16 GeV

- ➤ Good fractions of hadrons start showering in EMCAL.
- ➤ Needs to adjust EMCAL weight to add hadron energy to HCAL.

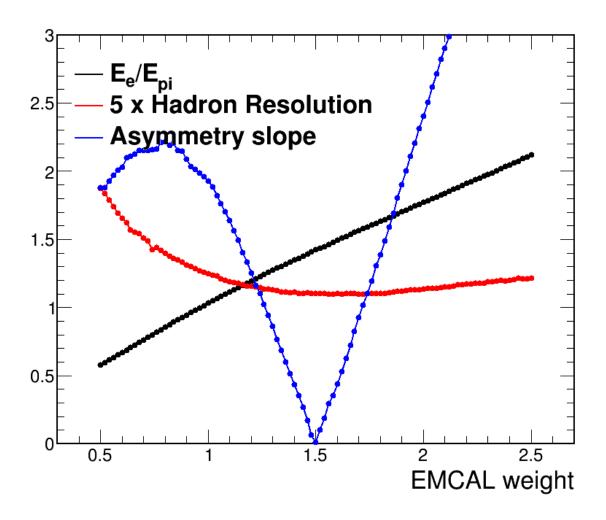


Vary EMCAL weights 16 GeV

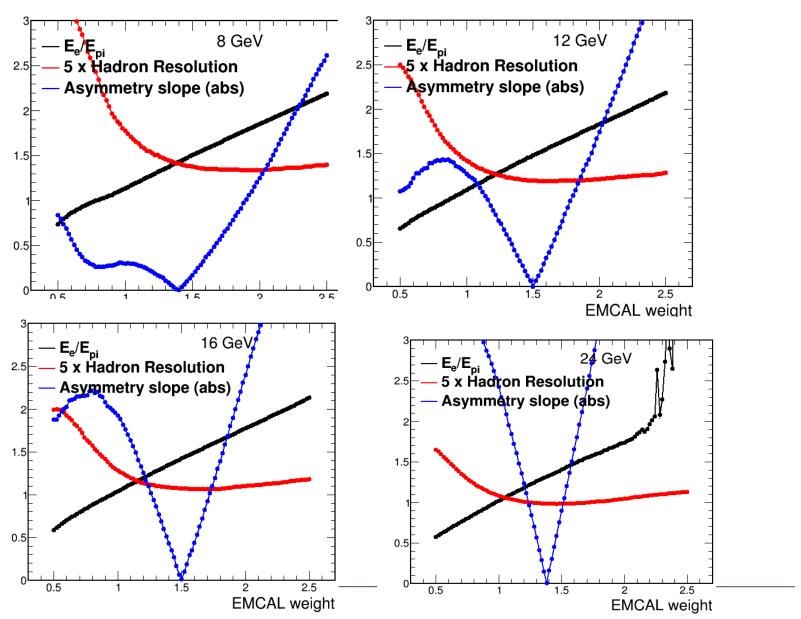
- ➤ Needs to adjust EMCAL weight to add hadron energy to HCAL.
- ➤ Look at the total energy vs asymmetry for different weights



16 GeV



All energies



e/pi vs energy

